

AVE Met Briefing
Thursday, November 4, 2004
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NOTE: Ames met plot links on http://bocachica.arc.nasa.gov/AVE/rh_omega_plots.html are broken today due to cronjob problems. Will be fixed by tomorrow.

SUMMARY

In the wake of the passage of a very deeply penetrating cold front, locally clear weather and winds out of the north prevailing promise good flying conditions over the next few days, although the NWS forecast shows increasing cloudiness for Sunday.

Looking ahead to the large-scale conditions affecting tomorrow afternoon's flight, the dominant picture is of descent and drying over the continent in the large-scale trough. The cold front will be continuing its eastward swath across the Gulf of Mexico, and while today's visible loop over the Gulf of Mexico clearly shows the effect of the dry air suppressing clouds along the back edge of the cold front complex, it is reasonable to expect that low-level Cu will begin to develop over the Gulf tomorrow as the subsidence lightens its heavy hand. Over the next few days it's possible that cloudiness at upper levels will appear over the Gulf associated with a 200 mb jet streak advancing anticyclonically from northwestern Mexico, though this feature will likely not be player in tomorrow's flight.

Below are the current NWS forecasts:

Southeast Texas Zone Forecast

National Weather Service Houston/Galveston TX

430 AM CST Thu Nov 4 2004

(<http://weather.noaa.gov/pub/data/forecasts/zone/tx/txz213.txt>)

Friday	Sunny. Highs around 70. North winds 10 to 15 mph.
Friday night	Mostly clear. Lows in the mid 40s. Northeast winds 5 to 10 mph.
Saturday	Mostly sunny. Highs in the lower 70s. Northeast winds 5 to 10 mph.
Saturday night	mostly clear. Lows in the upper 40s.
Sunday- Tuesday	Partly cloudy. Highs in the mid 70s. Lows in the mid 50s.
Tuesday night	Partly cloudy. Lows in the upper 50s.
Wednesday	Partly cloudy with a 20 percent chance of showers and thunderstorms. Highs in the mid 70s.

Area Forecast Discussion

National Weather Service Houston/Galveston TX

939 AM CST Thu Nov 4 2004

(<http://www.srh.noaa.gov/hgx/productview.php?pil=HGXAFDHGX&version=0>)

As advertised...a cool start to the day greeted residents of southeast Texas. A second shot of cooler air will infiltrate the state later tonight. Afternoon highs should reach the mid to upper 60s area wide. The current zones look to be in pretty good shape so no update is planned for today.

Aviation...VFR conditions to prevail for the next few days. Only concern is increasing winds this evening.